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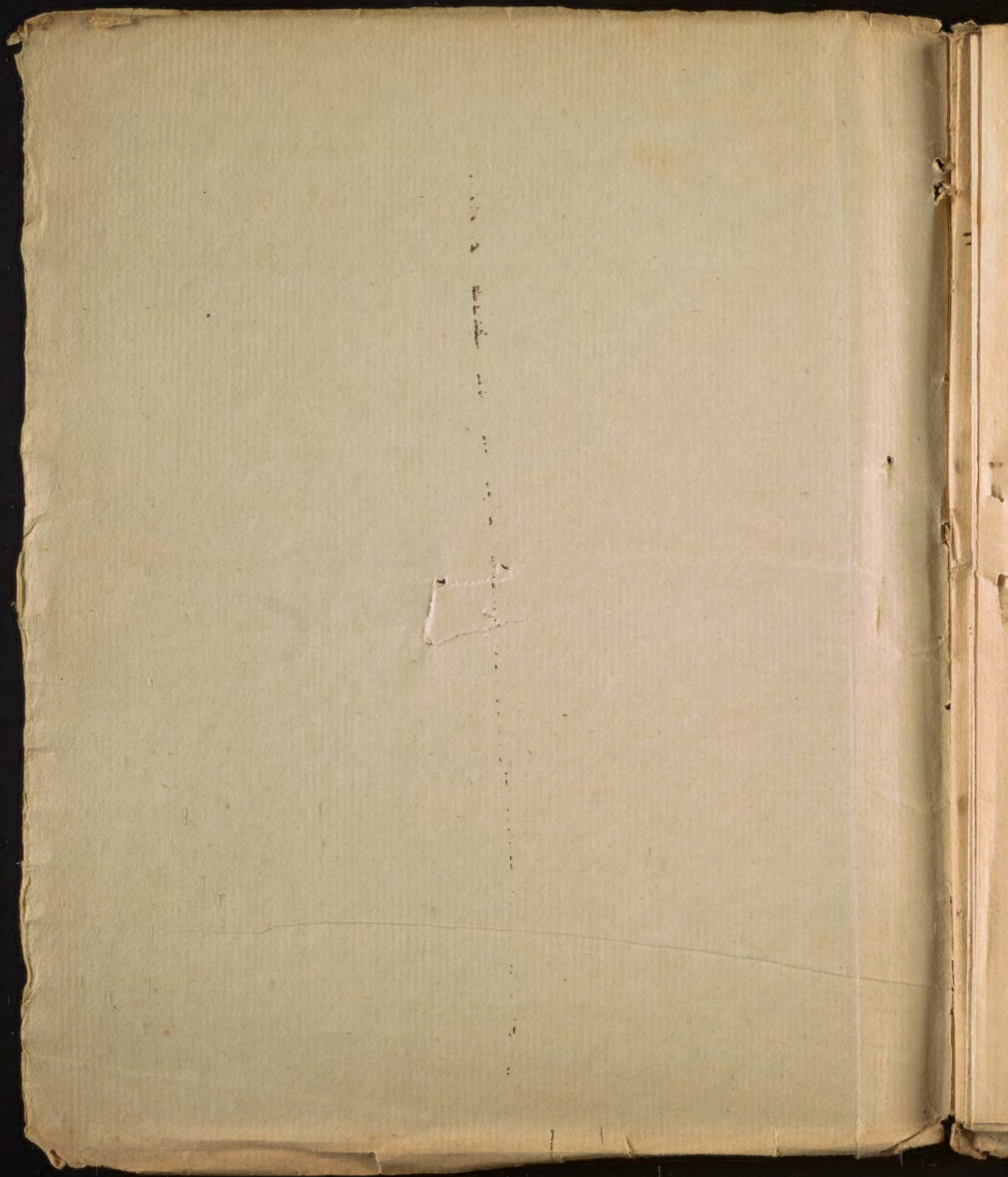
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*of the effects of  
Seats of disease - cont?*

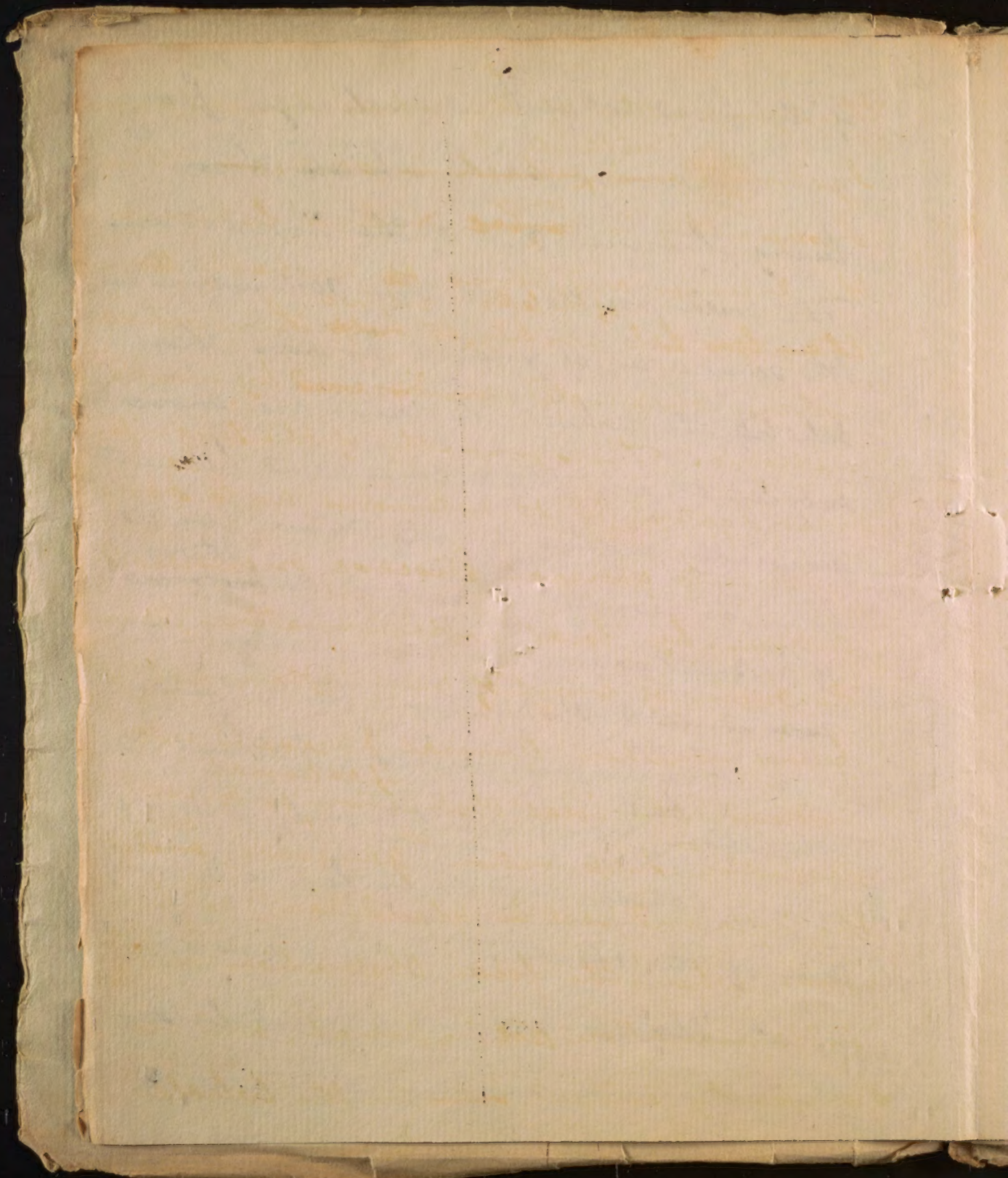






92  
of the blood which is discharged from  
an inflamed part, <sup>induced by its</sup> ~~which is~~  
being thrown out of the circulation.  
The predisposition to this Obstruction is  
the same as of general Diseases, that is  
debility, to which the Veins are more  
subject than the Arteries, and hence it  
generally begins in the Veins. You see  
here the revival <sup>theory</sup> ~~in part~~ of the ~~doctrine~~  
of Dr Boerhaave of inflammation. He  
~~does~~ admitted Obstruction from Linton  
and error lies  
to be its primary cause. I admit Ob-  
struction <sup>but</sup> from debility only, to its pri-  
mary cause, and error lies to be only  
one of its effects. The increased action  
of the ~~Hypoth~~ Arteries above & below  
the inflamed part is the effect of

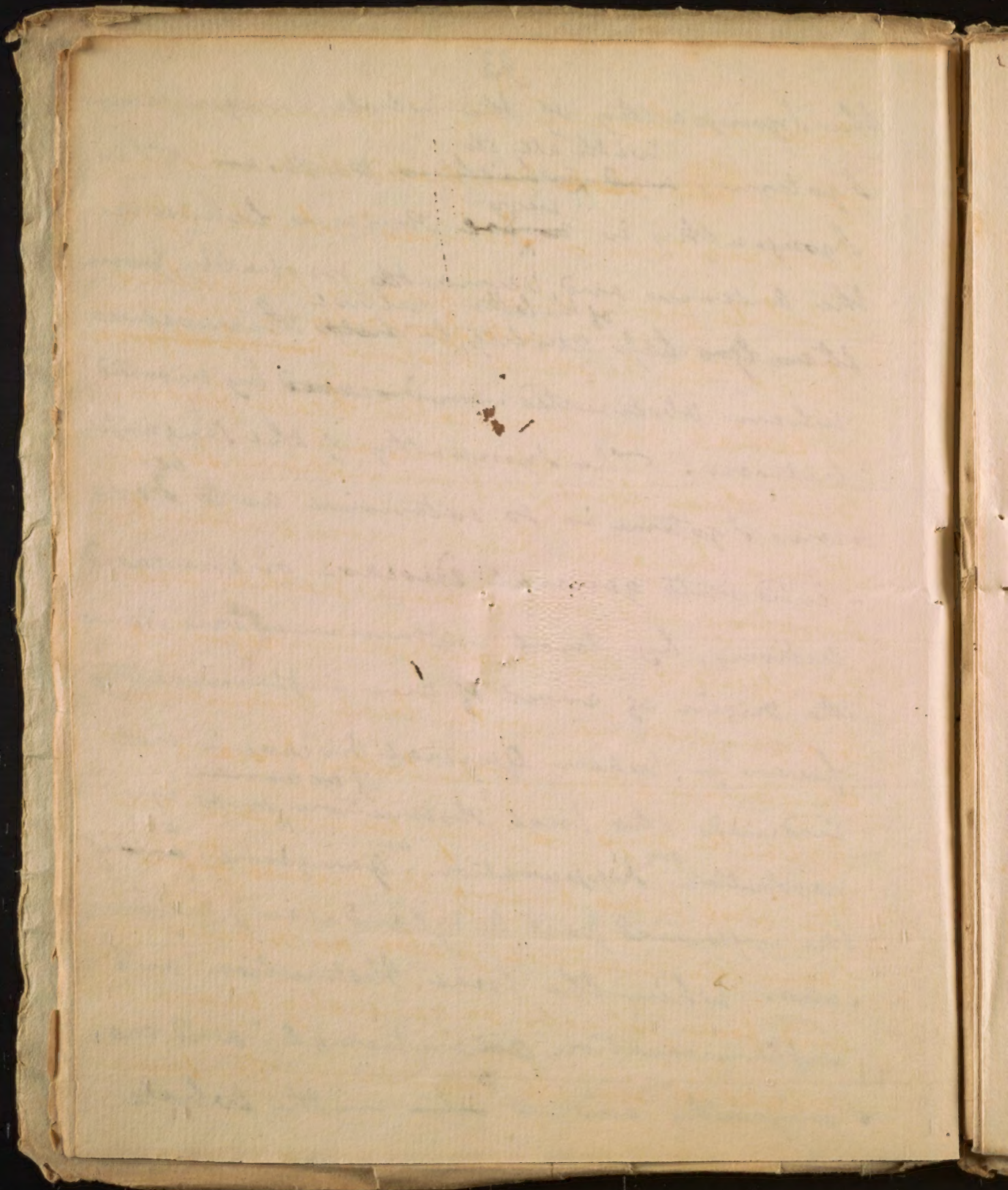






the Sympathy of the whole sanguiferous  
 system, <sup>with all its</sup> ~~and which is parts~~, <sup>on</sup> this  
 Sympathy is <sup>very</sup> ~~more~~ obvious between  
 the Arteries and Veins, ~~the~~ probably from  
~~their~~ <sup>of the latter</sup> help ability, <sup>relieve</sup> to ~~help~~ themselves  
 when obstructed ~~and increased~~ by morbid  
 actions. The Sympathy of the sanguif-  
<sup>erous</sup> system is so extensive as to be-  
~~come~~ <sup>be</sup> cited into general Disease, or increased  
 action, by local inflammation, hence  
 the origin of most of our inflammatory  
 fevers; - When General Disease is not  
 induced, the local Obstruction <sup>if external.</sup> ends in  
 resolution, <sup>or</sup> Suppuration - Gangrene, <sup>or</sup> ~~and~~ if  
 the inflamed part be glandular) infecti-  
<sup>ous</sup>. When the local Obstruction and  
 inflammation ~~are~~ internal, and no  
 Sympathy induced but in the whole







Arterial System, the inflamed part  
 of induces ~~these~~ Suppated Obstructions,  
 Suppuration or Schinus, which after  
 a while from their greater stimulus  
 bring the Arterial <sup>into</sup> Sympathy by means,  
 of what has been called hectic fever.  
 But these local <sup>obstructions and</sup> inflammations, some-  
 times bring on death more suddenly.  
 Apoplexy and pneumonia pectoris are  
 the effects of the whole System refusing  
 to sympathize with local Obstructions  
 & inflammation. The latter disease Dr.  
 Dalziel says is very common in  
 the West Indies among the negroes, <sup>and</sup> from  
 hence the natural pulse, as to frequency  
 and force, which is generally characti-  
 -zised it in all countries. The same



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Disease often occurs in the winter & spring months in the Northern States. It is remarkable it takes place chiefly in persons who have <sup>previously</sup> laboured for weeks or months with the Autumnal fever, and in whom the blood vessels have lost their vibrability or power of sympathy by the protracted Autumnal fever during the previous season. Pathologists have called this state of inflammation papule, to distinguish it from that in which the whole Arterial system sympathizes with the inflamed part which they have called Petive. Dr Brown has divided inflammation into Sthenic & Asthenic by which he meant inflammation whether general or local, of great, and weak ~~and~~ action.



V The water thus secreted is sometimes  
confined in Cysts, which are called  
Hydatids.



✓  
 A second effect of disease in the blood  
 vessels is to produce a secretion or effusion of  
 serum constituting dropsical swellings.

This is often the effect of chronic than  
 of acute powers, but we have & therefore  
 them after the latter particularly in  
 the Scarlatina anginosa. Dr Bapet has de-

-scribed an epidemic fever in Connecticut  
 in the year 1812 in which these hydropic

effusions took place nearly in every

case in the lungs, <sup>as</sup> thorax <sup>as</sup> stomach  
 or bowels. <sup>a 2d effect of</sup> But further, disease in the

blood vessels <sup>is</sup> produces a secretion of coagulable  
 lymph, from which are formed mem-

-brane such as we observe in the trachea  
 after death from the Cynanche trachealis,



V - ~~a~~ secretion of black matter in  
the stomach, bowels, liver, kidneys,  
and upon the skin in what are  
called Carbuncles - and such secretions  
as have been called Vicariones, that is  
Urine in the stomach, bile in the  
lungs <sup>bone in the arteries</sup> and perhaps milk in the  
stomach. ~~Lastly, & disease in the~~  
~~blood vessels produces~~

¶ in the blood vessels a secretion of <sup>tubercles,</sup> bone,  
calcareous and bilious matters of different  
kinds, and a great enlargement of the  
parts affected by disease. This is most ob-  
-vious in the ~~liver~~ <sup>Spleen</sup> & Spleen. Lastly disease  
in the blood vessels produces variolous and  
morbillous matter upon the surface  
of the body.



97.

polypi, ~~bloody~~ gravel, Calculi & Staphy, It  
produces likewise pus, not only <sup>in</sup> ~~from~~  
Abscesses & <sup>in</sup> ~~unbroken~~ surfaces, &  
ulcers, but from ~~wounded~~ surfaces, &  
~~lastly~~ an effusion of all the component  
parts of the blood in hemorrhages, or  
gangrene. In the former, the vessels  
retain their activity, - in the latter, the  
blood stagnates under the skin from the  
death of the blood vessels, <sup>again</sup> ~~lastly~~ disease produces  
the effects of <sup>secretory</sup> vessels are  
Disease in the ~~blood vessels~~ produces putrid  
- natural functions and excretions of  
matters which are <sup>on</sup> ~~unaltered~~ but little  
changed in their nature. We see these in  
Diarrhea, Dysentery - in Gynosa - in Catarrh,  
in Ophthalmia - in ~~the~~ the profuse sweats of  
 hectic fever, in ~~that~~ or of matters that  
are much changed as in the V



Let us now enquire into the effects  
of disease - There will be differences  
according to the nature of the System  
in which ~~the~~ disease is seated, or  
according to the number of the sys-  
tems that are affected at the same  
time, In fevers in which the disease  
is seated ~~principally~~ principally in  
the blood-vessels, the first effect  
observed from them, is Inflammation  
- but of the nature cause and  
phenomena of this we have spoken  
before, -











The effects of disease in 98

III In glandular parts of the body ~~disease~~

<sup>are</sup> ~~produces~~ ~~Schirrus~~ indurated tumors, Schirrus & Cancer, also great enlargement, or distention. This is most obvious in the liver.

Its effects in <sup>are</sup> IV In the Lymphatics it ~~produces~~ torpor, erythema, and dropsies in consequence of each of them, and flows from the ~~venous~~ virus of the Venereal disease.

V In the veins - ~~it produces~~ its effects are torpor, torpor & inertia.

VI In the muscles - its effects are immobility.

VII Upon the skin, the effects of disease are eruptions of different kinds. These arise from internal causes such as the

small pox measles <sup>the Venereal disease</sup> & many others, & from causes that act directly upon the skin such as heat, poison &c.



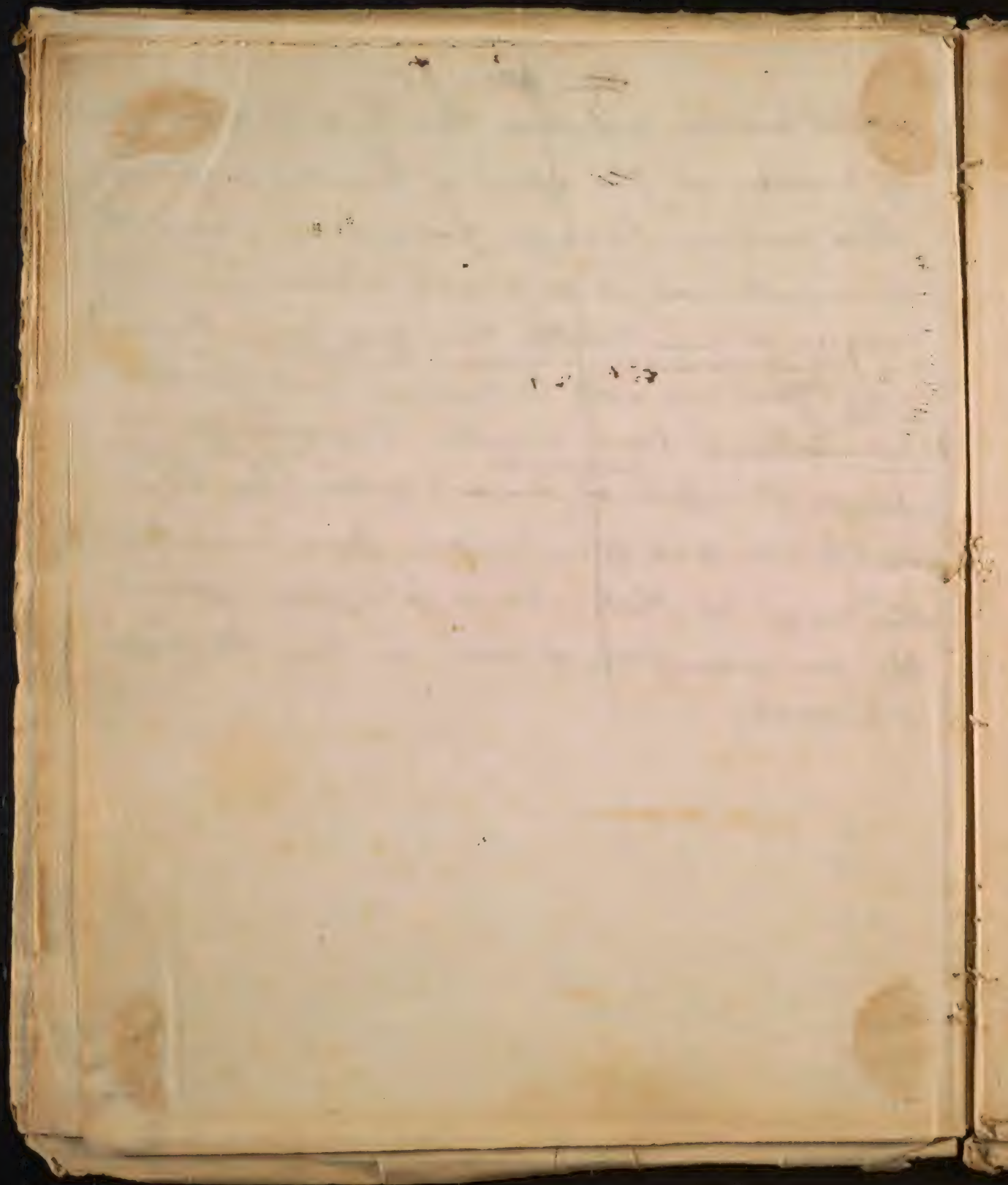
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VIII The effects of disease in the blood are  
 discoloration - the absence of a separation  
 of its Crapimentum ferum - Lutea  
 Cassium - Buff - and some minor  
 changes to be mentioned hereafter.

I repeat once more - the disorders  
 that have been enumerated are not always  
 preceded by perceptible disease. In the  
 West ~~Ind~~ & East Indies, and sometimes in  
 our own country, the worst disorders  
 we meet with, take place without the  
 premonition or any other sign of dis-  
 ease.







I have said, - that the business of Pathology is to point out the <sup>effects</sup> causes - Seats, and Signs of diseases. —

Having mentioned their <sup>effects</sup> causes, we proceed next to say a few words upon their Seats.

If the Doctrine I have delivered respecting the proximate cause of disease be a correct one, it will be of much less consequence to ascertain the Seats of diseases than it was when every Disease had a distinct proximate cause, and ~~every disease~~ a different specific remedy. But it is happy for Us that this change has taken place in pathology, for if a knowledge of ~~what~~ the exact seat of a disease were necessary in order to ~~write it~~ prescribe



✓ the least intimation by pain or sickness of  
their existence there, ~~and~~ The same thing may be  
said of the other viscera. Even the heart itself  
~~the~~ is silent while under the diseases of inflam<sup>n</sup>.  
& the disorders of polypus - Dropsy - Ulcer - and  
Opifications This has been amply proved in  
m<sup>r</sup> A. Brown's late treatise upon the diseases of  
the heart.

~~not at all~~  
✓ ~~from the spasmodic symptoms~~  
~~by~~ <sup>delusive or erroneous</sup>

These sensations  
X They occur more frequently in the  
bowels than in any other parts of the  
body from what Dr Johnson happily  
calls "Intercommunication of sensation."

for it, ~~radical~~ would in most cases be  
~~also~~, appalled, or prescribe at random.  
 The following objections occur to our know-  
 ledge of the Seats of Diseases.

1) ~~These~~ many diseases are dumb, that  
 is, they do not indicate their existence by  
 fever or pain or swelling. - The Liver often  
 decays or is absorbed in Calcutta without  
 fever, ~~and no~~ <sup>and</sup> disease, in ~~which~~  
 pain or fever. ~~Although~~ <sup>and</sup> gall stones are  
 of the viscera of the body oftentimes exist  
 with the ~~same~~ absence of all the symptoms  
 of disease. ~~It is the~~ <sup>The</sup> Tubercles & Abscesses  
 are often formed in the lungs without the  
 2 From the effects of certain impressions  
 inducing sensations in parts remote from  
 the place where they are made, ~~these~~ great  
 errors ~~are~~ often occur in determining  
 the seats of disease. X How many diseases



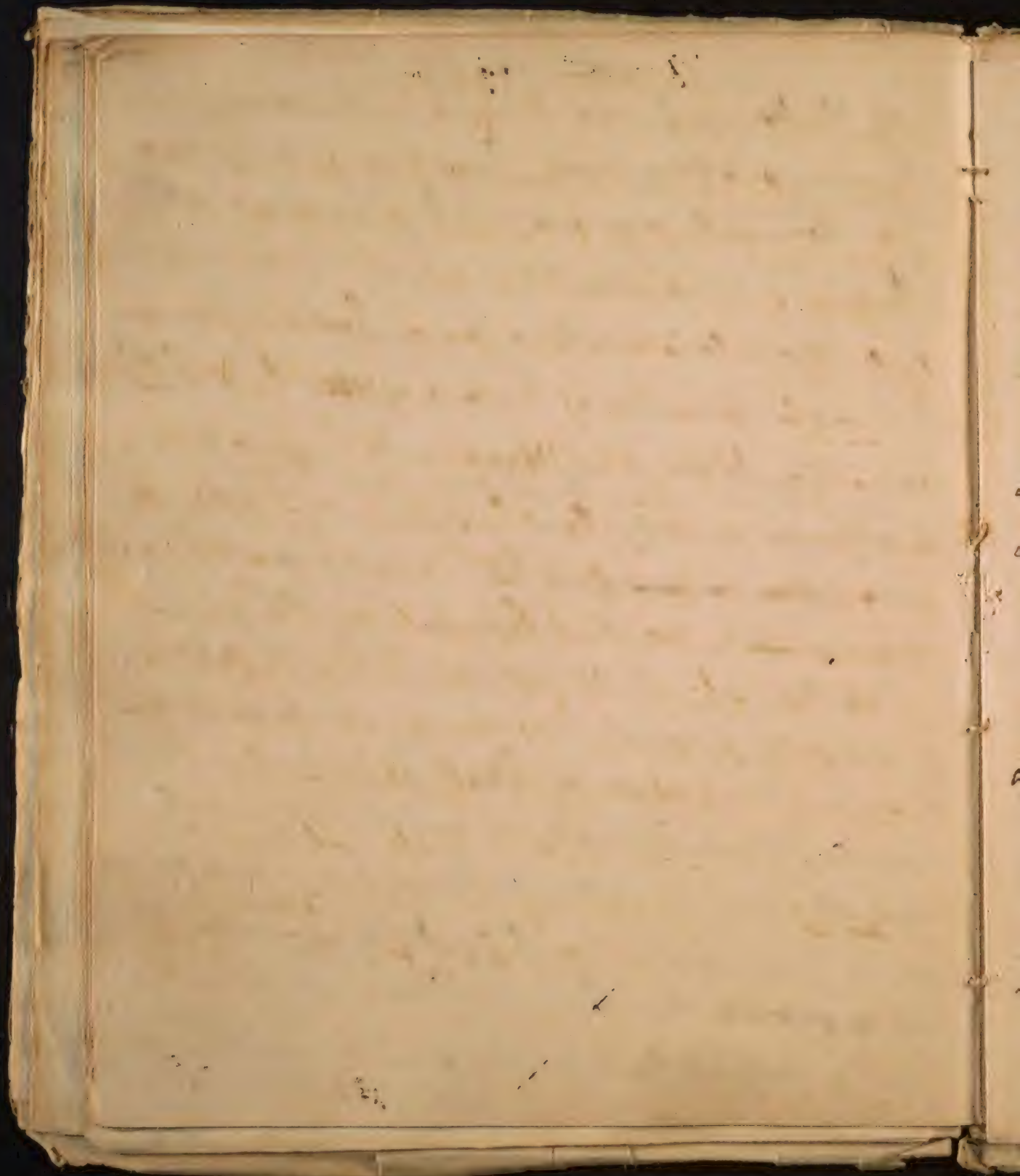
V How reciprocal are the morbid Affec-  
-tions of the Stomach & Liver! that is how  
how often do the Signs of the One appear  
exclusively in the Other! —

of the stomach are induced by Disease of the  
brain, and vice versa, - how many Diseases of  
the <sup>brain</sup> ~~stomach~~ are induced by Disease in the  
stomach &c - I could mention many instances  
~~of a similar nature from books, & from~~

my own practice. I shall select but ~~two~~ <sup>one</sup>  
from the latter and that of a recent date.  
I attended <sup>with Dr. Physick</sup> a lady, <sup>from the Windsor in 1805</sup> ~~last summer~~ <sup>the Dr. Physick</sup>

who ~~after~~ <sup>after</sup> ~~suffered~~ had been affected for several  
years with a partial Schismus of the Uterus.  
- At the time, while afflicted <sup>in</sup> this disorder,  
seized with a constant puking, and frequent  
& copious Discharges of black bile from her  
bowels. These symptoms continued nearly a  
month, and finally destroyed her. We obtained  
permission from her friends to <sup>open her</sup> ~~examine the~~  
~~state of~~ ~~the~~ Her stomach was apparently  
in a sound state with the exception of





something on its surface which resembled  
pus which we supposed had been secreted  
there by the non & diseased action of the  
recept of the stomach. Her liver did not  
exhibit in color, size, or any other change  
a single mark of disease. ~~at~~ The morbid  
actions in both the stomach & liver in this  
case were evidently the effects of <sup>this</sup> sympathy  
with the uterus. The connection of this  
disease with the stomach is well known  
in budding sickness. The liver was affected  
as it often is from its vicinity to, and in  
close sympathy with the stomach.

~~The 2<sup>nd</sup> case that I shall mention~~  
~~is of B in support of the want of relationship~~  
~~between disease & this seat & is taken from~~  
~~a letter which contains an Acc<sup>t</sup> of the~~  
~~death & dissection of the body of my late~~



V 3 In all general Diseases, the seats of them  
change with changes in the weather - in  
by the use of certain remedies, and in  
their successive stages. Now if our <sup>precept in</sup> prescribing  
for them according to their seats depended  
upon <sup>our knowledge of their seats,</sup> ~~their~~ - how much would it en-  
-crease the difficulties & uncertainty of  
the practice of physic? —

Excellent friend & Correspondent Dr. Ferri-  
of Liverpool - the well known Author  
of the effects of the external use of cold water  
in fever. Read Dr. Ferri's letter.

But will not <sup>morbid anatomy on the</sup> Disputations teach us <sup>of ~~disordered~~ <sup>dead</sup> bodies</sup> all that  
we wish to know of the Seats of Diseases?  
- By no means - <sup>for they often</sup> indeed they <sup>often teach</sup>  
exhibit no marks of disease at all. This  
is the case where morbid excitement kills  
suddenly as in the cases formerly mentioned.  
2 They often exhibit effects which are  
mistaken for the causes of Diseases. Thus  
Ulcers & tubercles in the lungs have been  
supposed to be the causes of pulmonary  
consumption, & water in the ventricles  
of the brain <sup>has been supposed to be cause of Hydro-</sup>  
cephalus internus, - whereas we <sup>now</sup> know they



+ Thus pain in one kidney during many years has  
been discovered after death to arise from a stone in the  
kidney of the opposite side. Pain ~~and~~ Abscess on one  
side, ~~lesion~~ of the pleura has been produced by pain in  
the other. Hundreds of similar facts are to be met with in books  
of medicine. Even a dissection in the kidney, has produced a fatal consumption.  
✓ Shall say hereafter morbid excitement

is often translated to half a dozen, or  
more different parts of the body each  
of which it leaves with marks of disease,  
or in other words with in a disorganised  
or disordered state. Now to in such cases  
how shall we fix upon the part <sup>ch</sup> which  
produced death? The <sup>transient or accidental</sup> effects in these  
cases are often mistaken for the cause  
of death, and recorded as such by medical  
writers. Dr. Wilson



are the effects of morbid action in the former  
 case in the lungs, & in the latter in the  
 brain. — and 3<sup>ly</sup> we often find <sup>marks of disease</sup> parts diseased  
 in parts remote from the seat of the disease. Of this I  
 shall mention many proofs in the practice  
 of physic. and 4<sup>th</sup> in the act of dying, as I

Do not suppose from any thing I have  
 said of the uncertainty of the knowledge obtained  
 from dissections, that I wish to open the pro-  
 -line of opening morbid bodies. Far from it.  
 Guarded by the ~~the~~ cautious and ~~the~~ I have  
~~under the~~ dissection of just principles in medi-  
~~cal~~ delivered, the practice  
~~in the practice~~ will always be useful. I have  
~~is fitted by it, and I can truly say the most~~  
 instructing books <sup>to be read</sup> ~~for~~ <sup>for acquiring this</sup> ~~are~~ <sup>most</sup>  
<sup>knowledge</sup> = gagni, Listerius, Bailey & Prout's <sup>dissections.</sup>

While I thus hint at the difficulties  
 of <sup>discovering</sup> ~~distinguishing~~ the seats of diseases, let it be  
 no means be inferred that this kind of



V for example - a disease in the head  
yields more readily to <sup>depletion by</sup> purging, than a  
disease in the lungs, <sup>which yields most promptly to U.</sup> ~~which~~ a disease in the  
limbs yields more readily to depletion by  
sweating than ~~a disease~~ to bleeding or purging.  
Again certain diseased parts ~~or~~ call for  
the ~~same~~ similar remedies but at a

Knowledge is ~~unattainable~~, [By close attention to the natural, or accidental, or morbid Sympathies, much may yet be added to our knowledge. a pain or numbness in the right leg or arm - has lately led to a discovery of a disease in the liver after all its more common symptoms have been inquired for - to no purpose] —

= Nor let it be supposed, while I consider a knowledge of the paths of diseases to be of less consequence under the direction of the principles of medicine I am teaching, than under former systems that I reject it altogether. There are

certain parts of body which when diseased require ~~different & remedies of the same class~~ <sup>different</sup> ~~if not specific remedies~~ of a peculiar, for to be

= a peculiar time - or ~~force or manner~~ <sup>applied in a peculiar manner</sup> ~~in the application of remedies~~ eg:

~~the head~~ <sup>the head & the bowels require</sup>



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V body in stooping, ~~standing~~ lying, running,  
jumping, falling &c - also <sup>a little</sup> ~~after~~ <sup>causing</sup>  
<sup>in eating or drinking</sup> ~~meals~~, and the sudden excitement of  
our passions. Nor would ~~the~~ bodily pain  
have been the only source of our misery.  
- By abstracting the attention of our minds,  
it would have prevented our employing  
our mental faculties <sup>in</sup> ~~upon~~ any other sub-  
<sup>way</sup> ~~ject~~ than that of ~~our~~ <sup>in</sup> ~~pains~~ complaining,  
or seeking relief from our pain. I took  
notice of this defect of sensibility in the  
viscera in our physiology, & pointed out  
the benefit just now mentioned which we  
derived from it. But is there no sign, but  
pain of a visceral, or internal disease? ~~Have~~  
<sup>Have</sup> we been <sup>unkindly</sup> ~~left~~ <sup>left</sup> ~~to~~ succumb under <sup>it</sup> ~~them~~  
without ~~giving~~ <sup>its</sup> any notice of ~~this~~ <sup>its</sup> ex-  
istence and danger? - No - Gentlemen



certainly require more early, and a more plentiful use of bleeding, & local remedies than an inflamm<sup>n</sup> of the lungs, ~~as~~ in a pleurisy, or of the joints in a Rheumatism.

For thus exposing the <sup>frigid</sup> powers of nature when under the influence of internal Disease, of the uncertainty of the signs of ~~these~~ <sup>that</sup> disease, ~~who~~ let it not be supposed that I consider the human body and the science of medicine as left perfect upon that Act: ~~has - far from it.~~ —

— Had the different viscera and forth pain every time that were affected with new or preternatural impressions, we should have lived in constant misery — for there are few hours in the day or night in which they are <sup>not</sup> unduly stimulated or oppressed by different positions of the



we have not - <sup>It</sup> In both our systems  
there exist - signals of which ~~none~~  
indicate more certainly the existence and  
danger of internal disease than pain, or  
any other sign. I mean the pulse, and  
happily for us, when the pulse refuses to  
be the sign of internal disease, <sup>(which is rarely the case.)</sup> pain, in-  
-quiescence - heat - the tongue - or the count-  
-enance, performing that vicarious office  
for it. <sup>most frequently to be the case now & then in an</sup>  
<sup>inflamed</sup> <sup>of the bowels</sup> <sup>in which the pulse is</sup> <sup>dumb or but feebly excited.</sup>  
Barometer. It conveys more knowledge of  
the state of the system in most diseases than  
any other sign, or perhaps than all other  
signs put taken together. ~~That the goodness~~  
~~of Heaven in giving us this and I have~~  
called it likewise the Dial plate of the system  
in which an hour & minute hand point  
out the order or derangement of the =



= internal and <sup>10th</sup> invisible parts of the body. a cotem-  
porary physician <sup>of Dr Harvey</sup> and ~~at the same time~~ a poet in  
practical address to ~~Dr Harvey~~ <sup>him</sup> After taking notice of the  
discovery of the heart the circulation of the blood,  
~~function of the heart~~ <sup>&</sup> speaking of the offices of the heart very <sup>elegantly</sup> ~~eloquently~~  
illustrates <sup>its effects upon</sup> the pulse in the following lines.

" Whom secret engines, trace the pulse, where din,  
" By Chimes without, tells how things pass within.

It — It

performs this office without noise, pain, for-  
getting the arteries which convey the knowledge  
of the state of the system ~~perhaps~~ <sup>but</sup> ~~little~~  
~~possibility~~ <sup>even</sup> and often excite no sensation when  
they <sup>are in</sup> the highest state of morbid excitement.

By means of the pulse, I have often discovered  
the presence of disease, when the patient has  
made no complaint of indisposition. I ~~and~~  
have moreover discovered the force & danger of  
disease by the same means & ~~I shall~~ <sup>thereby</sup> ~~hope~~ <sup>pre-</sup>  
vented death by advising ~~bleeding~~ - ~~at a time~~  
~~and sometimes at the expense of the proper~~  
~~remedy~~ to cure it - and this without knowing  
the seat of the disease. I am ~~not~~ <sup>now</sup> ~~at~~ <sup>able</sup> ~~to~~ <sup>to</sup> correct

~~a mistake~~ During the last autumn 1800  
I was called to see a lady of a delicate habit  
who was affected in the 3<sup>rd</sup> month of her  
pregnancy with what I <sup>is called</sup> ~~shall~~ ~~call~~ ~~hereafter~~



V of ignorance of the seats of Disease,  
and of

that is a disease in the womb. 46 108

a uterine Colic, which threatened a miscarriage.

- I ordered her to lose  $\frac{1}{4}$  of blood which removed  
the pain from the lower part of her belly to  
her left side, - I pursued it with the lancet.  
Thence her left side it spread through her  
whole abdomen - and thorax, so that they  
both appeared to be in one continued blaze  
of inflammation.

~~Disease~~ of inflammation, ~~as I know~~ was unable to  
tell where what viscera were affected, or whether  
but one was affected or the rest, by what Dr Johnson  
- ~~they were all affected, or one only, or but one~~  
called it "intermination of inflammation".  
of ~~them~~ and the rest by sympathy. ~~I was~~

~~unable to~~ ignorant of whether the disease was  
in the first ~~But~~ ever did I cast, ~~but I~~

~~believed~~ ~~existing~~ Though uncertain of  
and was indifferent about it,  
the seat - I was not uncertain of the nature

of her disease. ~~It was a simple synocha fever.~~  
simple synocha fever. I bled her ~~and~~ <sup>and</sup> ~~but~~ <sup>her</sup>  
10 times, and purged her daily - and thereby  
cured her. Similar instances ~~are~~ <sup>of ignorance</sup> ~~are~~





Supers, occur

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in the practice of all physicians, nor do  
they call in question the Certainty of medicine.  
~~Had it been otherwise,~~ for reasons for  
~~it we would have~~  
merely given, life, would been nothing but  
a state of painful and miserable existence.

But ~~I shall hereafter show~~ ~~these~~ ~~is another~~  
~~reason why this~~ <sup>a uniform</sup> knowledge of the precise  
seat of a disease <sup>from pain</sup> would have been not only  
harmful to us, but useless to us - <sup>unless</sup> ~~for~~ <sup>it</sup> ~~there~~  
had informed us <sup>at the same time</sup> what <sup>part</sup> of a viscus was  
~~is the same different between the~~  
affected, - whether its external or internal, - its  
concave, - or its convex parts, - its blood vessels,  
its lymphatics, or its glands. now no one  
has pretended that this kind of knowledge is  
attainable by from any signs, and if not,  
the risk of prescribing for a disease <sup>in</sup> of the  
whole abdomen, or thorax (the seat of which  
is unknown) is no greater, than the



✓ ~~and~~ The whole arterial System, with  
all the viscera that are connected with it  
are as much a unit, as any one viscus,  
and

risk of prescribing for the disease of a  
single viscus, without knowing what  
part of it - or what vessels in it are ~~the~~  
diseased. - we prove too much <sup>consequently</sup> therefore by  
admitting the necessity of <sup>correct</sup> nosological <sup>knowledge</sup> certainty  
in the practice of medicine. ~~There is the~~  
same unity of morbid action <sup>in all the</sup> ~~is all general~~  
~~from, that there is in the~~ diseases of all  
the viscera that there is any one of  
them; ~~if~~ there be any difference, I should  
suppose it would be in <sup>the same</sup> ~~the same~~ viscus  
having somewhat different <sup>or equivocal</sup> signs, from  
disease affecting its different parts, or different  
vessels. <sup>than all the viscera when affected together or by disease</sup>  
~~sympathy~~ I shall resume this subject when  
I treat on Nosology in our introductory  
lecture to the practice of physic. -





19.





100



✓ They have been divided into Symptoms <sup>common</sup> ~~per~~  
& proper - Thus thirst, and heat in the skin  
are <sup>common to nearly</sup> ~~belong to~~ all fevers - but a pain in the side &  
a cough are proper to ~~pneumonia~~ pleurisy & symptoms  
are said to be primary & secondary. Thus a  
pain in the side is a Symptom of pleurisy, & a  
primary Symptom. ~~The cough which attends~~

✓ Enumerate different kinds of symptoms  
~~of pneumonia & describe the nature of pleurisy -~~  
~~as Symptomata morbi - & of symptoms~~  
~~proper & common.~~

The difficult respiration which is the effect  
of the pain in the side is a secondary  
Symptom. They have been called "Symptomata  
-ta morbi & Symptomata Symptomatum".  
Volumes have been written upon them, and  
they form the basis of nosology. The  
following remarks will show ~~the~~ us  
how to estimate them.



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